

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	382	(inactive idle) with descriptor	US-PGPUB; USPAT	OR	ON	2007/05/30 17:00
L2	1	(inactive idle) with dependen\$4 with descriptor	US-PGPUB; USPAT	OR	ON	2007/05/30 16:45
L3	23	(inactive idle) with descriptor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 17:00
L4	0	"live-in" same "live-out" same trace	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 17:00
S1	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2005/02/23 14:04
S2	12	huisman.xa.	US-PGPUB; USPAT	OR	ON	2004/07/29 15:16
S3	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2004/07/29 15:00
S4	5	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2005/02/22 09:26
S5	6	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2004/08/02 14:04
S6	406	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2004/08/02 12:57
S7	176	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2004/08/02 12:57
S8	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:10
S9	2	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:19
S10	7	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:20
S11	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:24
S12	3	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:24
S13	80	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2004/08/02 14:05

## EAST Search History

S14	20	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2004/08/02 14:05
S15	1	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2004/08/03 10:39
S16	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2004/08/03 13:44
S17	6	speculative near3 register with architectural with recover\$3.	US-PGPUB; USPAT	OR	ON	2004/08/03 11:03
S18	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2004/08/03 11:04
S19	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2004/08/03 11:04
S20	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2004/08/03 11:05
S21	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2004/08/03 13:48
S22	35	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2004/08/03 13:58
S23	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2004/08/03 14:35
S24	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2004/08/03 14:37
S25	240	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2004/08/03 14:39
S26	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2004/08/03 14:39
S27	4	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2004/08/03 14:39
S28	243	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 14:59
S29	233	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 14:59
S30	413	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 15:00
S31	18	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2005/02/22 09:27

## EAST Search History

S32	15	(location address) with (dependen\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/22 09:27
S33	5	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2005/02/22 09:32
S34	6	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2005/02/23 09:27
S35	337	"address trace"	US-PGPUB; USPAT	OR	ON	2005/02/23 09:28
S36	250	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 09:28
S37	35	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 09:35
S38	44	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 10:49
S39	112	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 10:50
S40	69	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 10:50
S41	24	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 13:40
S42	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2005/02/23 13:42
S43	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2005/02/23 13:42
S44	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2005/02/23 13:44
S45	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2005/02/23 13:44
S46	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2005/02/23 13:48
S47	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2005/02/23 14:04
S48	17	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2005/02/23 16:02
S49	47	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2005/08/11 13:53
S50	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2005/08/11 13:53
S51	100	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2005/08/11 13:54
S52	52	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/08/11 14:50

## EAST Search History

S53	16	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:11
S54	362	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:11
S55	30	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:14
S56	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:30
S57	2	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:31
S58	4	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:31
S59	7	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:34
S60	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:35
S61	3	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:36
S62	10	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:30
S63	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:22
S64	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:22
S65	195	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:32
S66	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:31
S67	2	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:31

## EAST Search History

S68	22	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:32
S69	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2005/12/19 09:27
S70	1	S69 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2005/12/19 09:57
S71	35	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/05/17 16:34
S72	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2006/05/17 16:35
S73	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S74	41	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S75	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2006/09/19 14:10
S76	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S77	12	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S78	623	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S79	280	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S80	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S81	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S82	12	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S83	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S84	6	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S85	136	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10

## EAST Search History

S86	36	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S87	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S88	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S89	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S90	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S91	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S92	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S93	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S94	40	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2006/09/19 14:10
S95	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2006/09/19 14:10
S96	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2006/09/19 14:10
S97	251	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2006/09/19 14:10
S98	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2006/09/19 14:10
S99	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2006/09/19 14:10
S100	309	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S101	322	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S102	496	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S103	24	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10

## EAST Search History

S10 4	19	(location address) with (dependen\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 5	8	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S10 6	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 7	434	"address trace"	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 8	331	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 9	48	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 0	55	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 1	152	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 2	91	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 3	34	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 4	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2006/09/19 14:10
S11 5	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2006/09/19 14:10
S11 6	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2006/09/19 14:10
S11 7	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2006/09/19 14:10
S11 8	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2006/09/19 14:10
S11 9	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 0	41	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S12 1	53	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 2	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 3	112	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 4	61	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10

## EAST Search History

S12 5	16	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 6	397	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 7	31	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 8	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 9	2	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 0	4	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 1	7	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 2	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 3	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 4	12	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 5	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 6	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 7	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 8	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 9	226	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10



## EAST Search History

S14 0	26	trace with entry with (target start\$3) near2 address and g06f\$. ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 1	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2006/09/19 14:10
S14 2	1	S141 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S14 3	41	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 4	2	("20020144098" "20020144101"). pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 5	56	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/05/29 17:36
S14 6	8	"live-in" same "live-out" same trace	US-PGPUB; USPAT	OR	ON	2007/05/30 17:00
S14 7	1	broadcast\$3 with live-out	US-PGPUB; USPAT	OR	ON	2007/05/30 16:45